

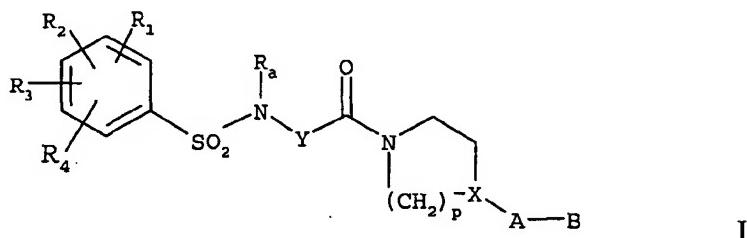
Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A compound, selected from the group consisting of:

a) a compound of formula:



in which,

R₁ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₂ represents a hydrogen, a halogen, a C₁-C₃ alkyl group, a C₁-C₃ alkoxy group, or a CF₃ group,

R₃ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₄ represents a hydrogen or a C₁-C₃ alkyl group,

R_a represents a C₁-C₄ alkyl group,

Y represents a -CH₂-CH₂-O-CH₂-,

X represents CH or a nitrogen atom,

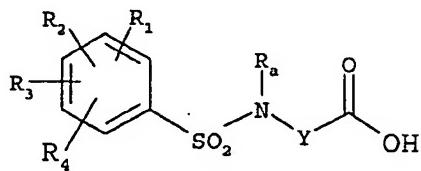
p represents 2 or 3,

A represents a single bond, a nitrogen atom optionally substituted with a methyl group, or a straight or branched C₁-C₅ alkylene group optionally hydroxylated or of which one of the carbon atoms is oxidized into a ketone function, provided that A and X together do not represent a nitrogen atom,

B represents a nitrogen-containing heterocycle or an amine group optionally substituted with one or two C₁-C₄ alkyl groups, or

- b) addition salts of the above formula I compound with an acid.
2. (Cancelled)
3. (Previously Presented) A compound according to claim 1, wherein R₂ and R₃ represent a methyl group at position 2,6 on the aromatic ring.
4. (Currently Amended) A method for preparing a formula I compound as defined in claim 1, and its addition salts, comprising:

- a) allowing an acid of formula:



in which

R₁ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₂ represents a hydrogen, a halogen, a C₁-C₃ alkyl group, a C₁-C₃ alkoxy group, or a CF₃ group,

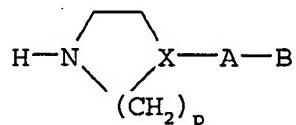
R₃ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₄ represents a hydrogen or a C₁-C₃ alkyl group,

R_a represents a C₁-C₄ alkyl group,

Y represents a -CH₂-CH₂-O-CH₂-,

to react with a nitrogen-containing heterocycle of formula:



in which

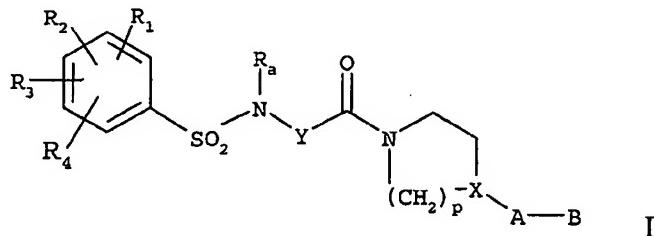
X represents CH or a nitrogen atom,

p represents 2 or 3,

A represents a single bond, a nitrogen atom optionally substituted with a methyl group (if X does not represent a nitrogen atom), or a straight or branched C₁-C₅ alkylene group, optionally hydroxylated or of which one of the carbon atoms is oxidized into a ketone function,

B represents a nitrogen-containing heterocycle or an amine group optionally substituted with one or two C₁-C₄ alkyl groups, on the understanding that, should a non-substituted nitrogen atom be present, this nitrogen atom is protected by an amino-protecting group,

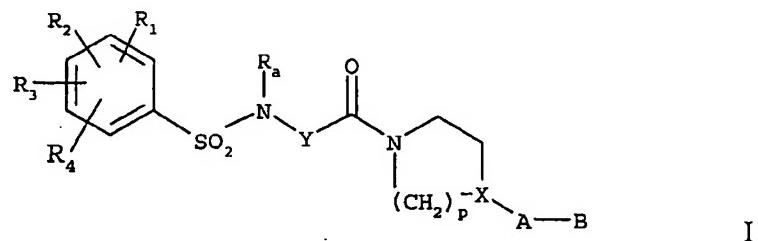
in a solvent, in the presence of activators, at a temperature lying between ambient temperature and the boiling point of the solvent, for about 2 to 15 hours, to obtain the amide of formula:



in which R₁, R₂, R₃, R₄, R_a, Y, p, X, A and B maintain the same meaning as in the starting products,

- b) optionally, removing the amino-protecting groups, and
- c) optionally, obtaining an addition salt of the formula I compound with a mineral or organic acid.

5. (Currently Amended) A method for preparing a compound of formula:



in which,

R₁ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₂ represents a hydrogen, a halogen, a C₁-C₃ alkyl group, a C₁-C₃ alkoxy group, or a CF₃ group,

R₃ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₄ represents a hydrogen or a C₁-C₃ alkyl group,

R_a represents a C₁-C₄ alkyl group,

Y represents a -CH₂-CH₂-O-CH₂- group,

X represents CH or a nitrogen atom,

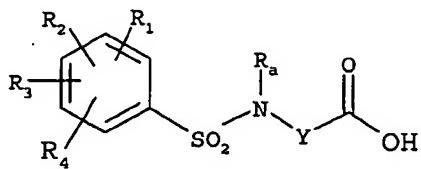
p represents 2 or 3,

A represents a single bond, a nitrogen atom optionally substituted with a methyl group, or a straight or branched C₁-C₅ alkylene group optionally hydroxylated or of which one of the carbon atoms is oxidized into a ketone function, provided that A and X together do not represent a nitrogen atom,

B represents a nitrogen-containing heterocycle or an amine group optionally substituted with one or two C₁-C₄ alkyl groups,

and its addition salts, the method comprising:

- a) allowing an acid of formula:



II

in which

R₁ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₂ represents a hydrogen, a halogen, a C₁-C₃ alkyl group, a C₁-C₃ alkoxy group, or a CF₃ group,

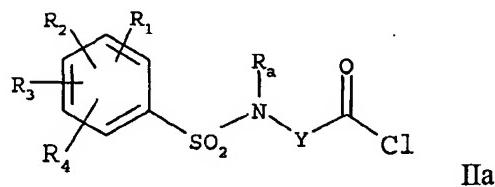
R₃ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₄ represents a hydrogen or a C₁-C₃ alkyl group,

R_a represents a C₁-C₄ alkyl group,

Y represents a -CH₂-CH₂-O-CH₂-,

to react with a chlorination agent, to obtain the acid chloride of formula:

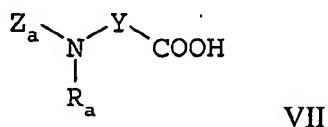


in which R₁, R₂, R₃, R₄, R_a and Y have the same meaning as in the starting compound, and

- b) allowing the acid chloride of formula IIa to react with an amine of formula III as defined in claim 4, to obtain the compound of formula I, and
- c) optionally, obtaining an addition salt of the formula I compound with a mineral or organic acid.

6. (Currently Amended) A method for preparing a formula I compound such as defined in claim 1, and its addition salts, comprising:

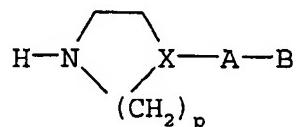
- a) allowing an acid compound of formula:



in which Ra represents a C₁-C₄ alkyl group,

Y represents a -CH₂-CH₂-O-CH₂-, and Z_a represents an amino-protecting group,

to react with a nitrogen-containing heterocycle of formula:



III

in which

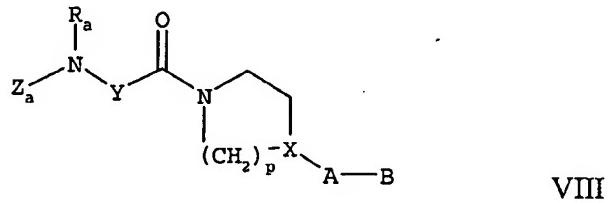
X represents CH or a nitrogen atom,

p represents 2 or 3,

A represents a single bond, a nitrogen atom optionally substituted with a methyl group (if X does not also represent a nitrogen atom) or a straight or branched C₁-C₅ alkylene group, optionally hydroxylated or of which one of the carbon atoms is oxidized into a ketone function,

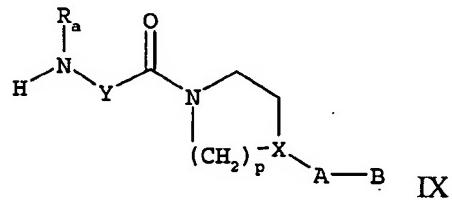
B represents a nitrogen-containing heterocycle or an amine group optionally substituted with one or two C₁-C₄ alkyl groups, on the understanding that, should a non-substituted nitrogen atom be present on said nitrogen-containing heterocycle, this nitrogen atom is protected by a different amino-protecting group to the amino-protecting group used for acid compound VII,

in a solvent, in the presence of activators, at a temperature generally lying between ambient temperature and the boiling point of the solvent, for about 2 to 15 hours, to obtain the amide of formula:



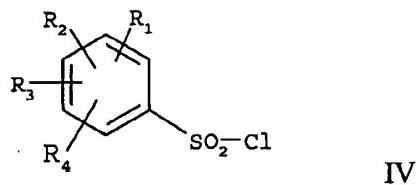
in which Z_a, R_a, Y, p, X, A and B maintain the same meaning as in the starting compounds,

- b) removing the Z_a amino-protecting group to obtain the secondary amine of formula:



in which R_a, Y, p, X, A and B maintain the same meaning as in the preceding compound,

- c) allowing this secondary amine IX to react with a benzenesulphonyl chloride of formula:



in which

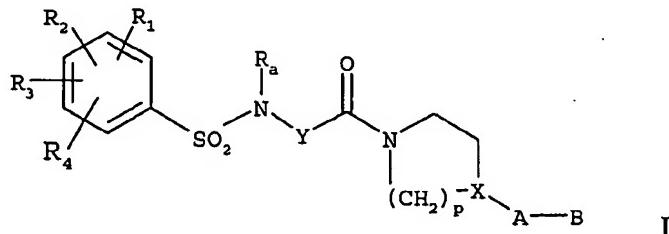
R₁ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₂ represents a hydrogen, a halogen, a C₁-C₃ alkyl group, a C₁-C₃ alkoxy group, or a CF₃ group,

R₃ represents a hydrogen, a halogen, a C₁-C₃ alkyl group or a C₁-C₃ alkoxy group,

R₄ represents a hydrogen or a C₁-C₃ alkyl group,

in a solvent, in the presence of an aprotic organic base, at a temperature between about 0 and 50°C, for about 1 to 3 hours, to obtain the sulphonamide of formula:



in which R₁, R₂, R₃, R₄, R_a, Y, p, X, A and B maintain the same meaning as in the starting compounds,

- d) optionally, removing the amino-protecting groups, and

- e) optionally, obtaining an addition salt of the formula I compound with a mineral or organic acid.
7. (Previously Presented) A therapeutic composition, wherein, in association with at least one physiologically acceptable excipient, it contains at least one formula I compound according to claim 1, or one of its pharmaceutically acceptable addition salts with an acid.

8-9. (Cancelled)

10. (Previously Presented) The compound of claim 1 which is selected from the group consisting of:

1-[[2-[(4-methoxy-2,6-dimethylphenyl)sulphonyl]methylamino]-ethoxy]acetyl]-4-[2-(1-pyrrolidinyl)ethyl]piperazine, bis-trifluoroacetate;

N-[2-[2-[4-[(3RS)-1-azabicyclo[2.2.2]oct-3-yl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-N,2,4,6-tetramethylbenzenesulphonamide, bis trifluoro-acetate;

N-[2-[2-[4-[(3RS)-1-azabicyclo[2.2.2]oct-3-yl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide;

N-[2-[2-[4-[(3RS)-1-azabicyclo[2.2.2]oct-3-yl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, difumarate;

N-[2-[2-[4-[(3S)-1-azabicyclo[2.2.2]oct-3-yl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide;

N-[2-[2-[4-[(3S)-1-azabicyclo[2.2.2]oct-3-yl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, fumarate;

N-[2-[2-[4-[(3R)-1-azabicyclo[2.2.2]oct-3-yl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, fumarate;

1-[[2-[(4-methoxy-2,6-dimethylphenyl)sulphonyl]methyl-amino]-ethoxy]acetyl]-4-[3-(1-pyrrolidinyl)propyl]piperazine, bis-trifluoroacetate;

1-[[2-[(4-methoxy-2,6-dimethylphenyl)sulphonyl]methyl-amino]-ethoxy]acetyl]-4-[2-(4-morpholinyl)ethyl]piperazine, bis-trifluoroacetate;

1-[[2-[(4-methoxy-2,6-dimethylphenyl)sulphonyl]methyl-amino]-ethoxy]-acetyl]-4-[2-(4-morpholinyl)ethyl]piperazine, bis-trifluoroacetate;

1-[[2-[(4-methoxy-2,6-dimethylphenyl)sulphonyl]methyl-amino]ethoxy]acetyl]-4-[3-(1-piperidinyl)propyl]piperazine, bis-trifluoroacetate;

1-[[2-[(4-methoxy-2,6-dimethylphenyl)sulphonyl]methyl-amino]-ethoxy]-acetyl]-4-[3-(dimethylamino)propyl]piperazine, bis-trifluoroacetate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, bis trifluoroacetate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(8-methyl-8-azabicyclo[3.2.1]-oct-3-yl)-1-piperazinyl]-2-oxoethoxy]ethyl]-benzenesulphonamide, fumarate;

1-(1-azabicyclo[2.2.2]oct-3-yl)hexahydro-4-[[2-[(4-methoxy-2,6-dimethylphenyl)sulphonyl]methylamino]ethoxy]acetyl]-1*H*-1,4-diazepine, fumarate;

N-[2-[2-[4-[3-(1-azetidinyl)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-3-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-cyclopropyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-cyclopropyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[(1-methyl-2-imidazolyl)methyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-ethyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[3-(dimethylamino)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-ethyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(9-methyl-9-azabicyclo[3.3.1]non-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, fumarate;

N-[2-[2-[4-[3-(1-pyrrolidinyl)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-ethyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[3-(1-pyrrolidinyl)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-cyclopropyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(8-cyclopropyl-8-azabicyclo[3.2.1]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, fumarate;

N-[2-[2-[4-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-ethyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-cyclopropyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(1-cyclopropyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-(1-methylethyl)-2,6-dimethylbenzenesulphonamide, difumarate.

N-[2-[2-[4-(1-ethyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, fumarate;

N-[2-[2-[4-[1-(1,1-dimethylethyl)-4-piperidinyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, difumarate;

N-[2-[2-[4-[(1-methyl-4-piperidinyl)methyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, fumarate;

N-[2-[2-[4-[3-(dimethylamino)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,6-dichloro-4-methoxy-N-methyl-benzene-sulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,6-dichloro-4-methoxy-N-methyl-benzene-sulphonamide, difumarate;

N-[2-[2-[4-[2-(1-methyl-4-piperidinyl)ethyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)hexahydro-1*H*-1,4-diazepin-1-yl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, fumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-(1-methylethyl)-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[1-(1-methylethyl)-4-piperidinyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, fumarate;

N-[2-[2-[4-[3-(1-piperidinyl)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-ethyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,4-dichloro-6-methoxy-N-methyl-benzene-sulphonamide, difumarate;

N-[2-[2-[4-(1-ethyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,6-dichloro-4-methoxy-N-methyl-benzene-sulphonamide, fumarate;

N-[2-[2-[4-((3S)-1-azabicyclo[2.2.2]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-methyl-2,6-dichlorobenzenesulphonamide, fumarate;

N-[2-[2-[4-(1,2,2,6,6-pentamethyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, bis(trifluoroacetate);

N-[2-[2-[4-[3-(4-methyl-1-piperazinyl)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, difumarate;

N-[2-[2-[4-(8-ethyl-8-azabicyclo[3.2.1]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzene-sulphonamide, difumarate;

N-[2-[2-[4-[3-(4-methyl-hexahydro-1H-1,4-diazepin-1-yl)propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[8-(1-methylethyl)-8-azabicyclo[3.2.1]oct-3-yl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[3-(4-methyl-hexahydro-1H-1,4-diazepin-1-yl)-3-oxo-propyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, bis(trifluoroacetate);

N-[2-[2-[4-[2-(4-methyl-hexahydro-1H-1,4-diazepin-1-yl)ethyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, trifumarate;

N-[2-[2-[4-((3S)-1-azabicyclo[2.2.2]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-cyclopropyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-((3S)-1-azabicyclo[2.2.2]oct-3-yl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N-ethyl-2,6-dimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[2-(diethylamino)ethyl]-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, fumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,6-dichloro-4-fluoro-N-methyl-benzene-sulphonamide;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,6-dichloro-4-fluoro-N-methyl-benzene-sulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-bromo-2,6-dichloro-N-methyl-benzenesulphonamide;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-bromo-2,6-dichloro-N-methyl-benzenesulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,4,6-trichloro-N-methyl-benzenesulphonamide;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,4,6-trichloro-N-methyl-benzenesulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,4-dichloro-6-methyl-N-methyl-benzenesulphonamide;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-2,4-dichloro-6-methyl-N-methyl-benzenesulphonamide, difumarate;

N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]-4-methoxy-2,3,6-trimethyl-N-methyl-benzenesulphonamide;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-ethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-oxo-2-[4-[3-(4-piperidinyl)propyl]-1-piperazinyl]ethoxy]ethyl]benzene-sulphonamide;

4-methoxy-N,2,6-trimethyl-N-[2-[2-oxo-2-[4-[3-(1-methyl-4-piperidinyl)propyl]-1-piperazinyl]ethoxy]ethyl]benzene-sulphonamide;

4-methoxy-N,2,6-trimethyl-N-[2-[2-oxo-2-[4-[3-(1-methyl-4-piperidinyl)propyl]-1-piperazinyl]ethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-oxo-2-[4-(4-piperidinyl)-1-piperazinyl]ethoxy]ethyl]benzenesulphonamide, bis(trifluoroacetate);

4-methoxy-N,2,6-trimethyl-N-[2-[2-oxo-2-[4-(6-amino-3-pyridinyl)-1-piperazinyl]ethoxy]ethyl]benzenesulphonamide;

4-methoxy-N,2,6-trimethyl-N-[2-[2-oxo-2-[4-(6-amino-3-pyridinyl)-1-piperazinyl]ethoxy]ethyl]benzenesulphonamide, fumarate;

N-[2-[2-[4-[2-(dimethylamino)-1,1-dimethylethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, trifluoroacetate;

N-[2-[2-[4-[2-(dimethylamino)-1-hydroxyethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-N,2,6-trimethylbenzenesulphonamide, trifluoroacetate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(4-methyl-1-piperazinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(4-methyl-1-piperazinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

N-cyclopropyl-4-methoxy-2,6-dimethyl-N-[2-[2-[4-(4-methyl-1-piperazinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[4-(1-methylethyl)-1-piperazinyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

N-ethyl-4-methoxy-2,6-dimethyl-N-[2-[2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

N-cyclopropyl-4-methoxy-2,6-dimethyl-N-[2-[2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

*N-[2-[2-[4-[2-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-N,2,6-trimethyl-benzenesulphonamide, difumarate;*
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[methyl(1-methylethyl)amino]ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-benzenesulphonamide, fumarate;
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[methyl(1-methyl-4-piperidinyl)amino]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[1-(1-methylethyl)-4-piperidinyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(1-ethyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-(1-cyclopropyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[2-(4-morpholinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[1,1-dimethyl-2-(1-azetidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;
N-ethyl-4-methoxy-2,6-dimethyl-N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;
*N-[2-[2-[4-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-N,2,6-trimethyl-benzenesulphonamide, fumarate;*
N-cyclopropyl-4-methoxy-2,6-dimethyl-N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;
2,4-dichloro-N,3-dimethyl-N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;
4-methoxy-N,2,6-trimethyl-N-[2-[2-[4-[2-(1-azetidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;
2,6-dichloro-4-methoxy-N-methyl-N-[2-[2-[4-[2-(dimethylamino)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-benzenesulphonamide, fumarate;
2,6-dichloro-4-methoxy-N-methyl-N-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[(1-pyrrolidinyl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[(4-ethyl-1-piperazinyl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

N-cyclopropyl-4-methoxy-2,6-dimethyl-*N*-[2-[2-[4-[(4-methyl-1-piperazinyl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

N-ethyl-4-methoxy-2,6-dimethyl-*N*-[2-[2-[4-[(4-methyl-1-piperazinyl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

N-methyl-4-methoxy-2,6-dichloro-*N*-[2-[2-[4-[(4-methyl-1-piperazinyl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[1,1-dimethyl-2-(1-piperidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, trifluoroacetate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[1,1-dimethyl-2-(1-pyrrolidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

N-[2-[2-[4-[2-(ethylmethylamino)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-*N*,2,6-trimethylbenzene-sulphonamide, fumarate;

N-[2-[2-[4-[2-(diethylamino)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-*N*,2,6-trimethylbenzene-sulphonamide, fumarate;

4-methoxy-*N*-(1-methylethyl)-2,6-dimethyl-*N*-[2-[2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[1,1-dimethyl-2-(4-morpholinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

N-[2-[2-[4-[2-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-*N*,2,6-trimethylbenzenesulphonamide, difumarate;

N-[2-[2-[4-[(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-4-methoxy-*N*,2,6-trimethylbenzenesulphonamide, difumarate;

4-methoxy-*N*-[2-[2-[4-[2-(1-methyl-4-piperidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-*N*,2,6-trimethylbenzenesulphonamide, fumarate;

4-methoxy-*N*-[2-[2-[4-[2-(1-piperidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-*N*,2,6-trimethylbenzenesulphonamide, fumarate;

4-methoxy-*N*-[2-[2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-*N*-methyl-2-trifluoromethyl-benzenesulphonamide, trifluoroacetate;

4-methoxy-*N*-[2-[2-[4-[2-(1-methyl-4-piperazinyl)-2-oxoethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]-*N*,2,6-trimethylbenzenesulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[1,1-dimethyl-2-(diethylamino)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, trifluoroacetate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-(dimethylamino)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[(1-azetidinyl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

N,2,4,6-tetramethyl-*N*-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, trifluoroacetate;

N-methyl-*N*-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]-2-trifluoromethyl-benzenesulphonamide, trifluoroacetate;

4-methoxy-*N*-methyl-*N*-[2-[2-[4-(1-methyl-4-piperidinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]-2-trifluoromethyl-benzenesulphonamide, trifluoroacetate;

N,2,4,6-tetramethyl-*N*-[2-[2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, trifluoroacetate;

2,6-dichloro-4-methoxy-*N*-methyl-*N*-[2-[2-[4-(1-methyl-4-piperazinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[2-(dimethylamino)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-(4-cyclopropyl-1-piperazinyl)-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[4-(1,1-dimethylethyl)-1-piperazinyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[(4-methyl-1-piperazinyl)methyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[2-(4-methyl-1-piperazinyl)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(4-morpholinyl)-propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(4-morpholinyl)-propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(1-pyrrolidinyl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(1-pyrrolidinyl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(4-methyl-1-piperazinyl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(4-methyl-1-piperazinyl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzene-sulphonamide, difumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(1-azetidinyl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(1-azetidinyl)propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(dimethylamino)-propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[3-(dimethylamino)-propyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

N-[2-(2-[4,4'-bipiperidin]-1-yl-2-oxoethoxy)ethyl]-4-methoxy-*N*,2,6-trimethylbenzenesulphonamide, trifluoroacetate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[2-(methylamino)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[2-(methylamino)ethyl]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, fumarate;

N-[2-[2-(4-amino-1-piperidinyl)-2-oxoethoxy]ethyl]-4-methoxy-*N*,2,6-trimethylbenzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)amino]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)amino]-1-piperidinyl]-2-oxoethoxy]-ethyl]benzenesulphonamide, bis(trifluoroacetate);

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-(methylamino)-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[methyl(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)amino]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-[methyl(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)amino]-1-piperidinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, bis(trifluoroacetate);

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-oxo-2-[4-(1-piperazinyl-methyl)-1-piperidinyl]ethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-oxo-2-[4-(1-piperazinyl-methyl)-1-piperidinyl]ethoxy]ethyl]benzenesulphonamide, fumarate;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-oxo-2-[4-[1-oxo-2-(4-methyl-1-piperazinyl)ethyl]-1-piperidinyl]ethoxy]-ethyl]benzenesulphonamide, bis(trifluoroacetate);

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-(1-methyl-4-piperidinyl)]-1-piperazinyl]-2-oxoethoxy]ethyl]benzenesulphonamide;

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-(1-methyl-4-piperidinyl)]-1-piperazinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, dihydrochloride; and

4-methoxy-*N*,2,6-trimethyl-*N*-[2-[2-[4-(1-methyl-4-piperidinyl)]-1-piperazinyl]-2-oxoethoxy]ethyl]benzenesulphonamide, difumarate.

11. (Previously Presented) A therapeutic composition comprising a formula I compound of claim 10 or a salt thereof and a physiologically acceptable excipient.